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Multi-dimensional partitioning for massively pa database machines

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Abstract:
Harder, new requirements are appearing in the area of database syste reached by parallel database systems during the past decade, due to t performance and scalability characteristics should be currently maintai by including more powerful processing tools. We present a general tec declustering data in a parallel relational database using multi-dimensic m-Q-tree indexes. We propose the multiattribute index structure m-Q-general access method which permits to exploit the potential parallelis operations, in addition to favor the execution of complex queries, inclu of conditions on several attributes for one or more relations

Index Terms:
database machines   distributed databases   parallel machines   query processir databases   software performance evaluation   tree data structures   access met queries   data declustering   high performance   m-Q-tree indexes   massively pa machines   multiattribute index structure   multidimensional partitioning   parallel processing tools   requirements   scalability

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